



Image may be representation.  
See specifications for product details.



## ATTINY28L-4AU

Manufacturer Part Number	<b>ATTINY28L-4AU</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATTINY28L-4AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 2KB FLASH 32TQFP
Package	32-TQFP
Data sheet	<a href="#">ATTINY28(L,V) Datasheet.pdf</a> <a href="#">ATTINY28(L,V) Summary.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ATTINY28L-4AU - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY28L-4AU datasheet/specifications on AllelcoElec.com. Request a quote for ATTINY28L-4AU, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATTINY28L-4AU Tech Specifications

ATTINY28L-4AU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-TQFP (7x7)	Number of I/O	11
Speed	4MHz	Mounting Type	Surface Mount
Series	AVR® ATtiny	EEPROM Size	-
RAM Size	-	Data Converters	-
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	2KB (1K x 16)	Core Processor	AVR
Peripherals	POR, WDT	Connectivity	-
Package / Case	32-TQFP	Base Product Number	ATTINY28
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY28L-4AU

Product Attribute				
Part Number	ATTINY28L-4AU	ATTINY28L-4MU	ATTINY28L-4PU	ATTINY3216-SF
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	32-TQFP (7x7)	32-VQFN (5x5)	28-PDIP	20-SOIC
EEPROM Size	-	-	-	256 x 8
Package / Case	32-TQFP	32-VFQFN Exposed Pad	28-DIP (0.300", 7.62mm)	20-SOIC (0.295", 7.50mm Width)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tray	Tube	Tube
Number of I/O	11	11	11	18
RAM Size	-	-	-	2K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Connectivity	-	-	-	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Series	AVR® ATtiny	AVR® ATtiny	AVR® ATtiny	tinyAVR™ 1, Functional Safety (FuSa)
Base Product Number	ATTINY28	ATTINY28	ATTINY28	ATTINY3216
Peripherals	POR, WDT	POR, WDT	POR, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Speed	4MHz	4MHz	4MHz	16MHz
Data Converters	-	-	-	A/D 20x10b; D/A 3x8b
Program Memory Size	2KB (1K x 16)	2KB (1K x 16)	2KB (1K x 16)	32KB (32K x 8)
Core Processor	AVR	AVR	AVR	AVR

### ATTINY28L-4AU Datasheet PDF

Download ATTINY28L-4AU pdf datasheets and Microchip Technology documentation for ATTINY28L-4AU - Microchip Technology.

#### Datasheets

[ATTINY28\(L,V\) Datasheet.pdf](#)

[ATTINY28\(L,V\) Summary.pdf](#)

#### PCN Packaging

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

[Boxes 07/Dec/2016.pdf](#)

## PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



Copper Bonding Wire 17/Oct/2013.pdf

## PCN Assembly/Origin



Assembly Site 08/May/2017.pdf

## Customers Also Interested in

### Recommended Products



**ATTINY26L-8U**

Atmel (Microchip Technology)



**ATTINY26V-10SU**

Atmel (Microchip Technology)



**ATTINY28L-4MU**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32VQFN



**ATTINY28L-4PU**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 28DIP



**ATTINY3216-SF**

Microchip Technology  
IC MCU 8BIT 32KB FLASH 20SOIC



**ATTINY28L-4AI**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32TQFP



**ATTINY28V-1MU**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32VQFN



**ATTINY26L-8SI**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 20SOIC



**ATTINY28L-4PU**

Atmel  
IC MCU 8BIT 2KB FLASH 28DIP



**ATTINY28L-4AC**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32TQFP



**ATTINY28V-1AI**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32TQFP



**ATTINY26L-8SU**

Atmel  
IC MCU 8BIT 2KB FLASH 20SOIC



**ATTINY26L-8SC**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 20SOIC



**ATTINY26L-8SU**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 20SOIC



**ATTINY26L-8SUR**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 20SOIC



**ATTINY28V-1AU**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32TQFP



**ATTINY28L-4PC**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 28DIP



**ATTINY28L-4AUR**

Microchip Technology  
IC MCU 8BIT 2KB FLASH 32TQFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

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Email

info@allelco.com

## Certifications & Memberships



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